

### **ABSTRACT OF THE DISCLOSURE**

A storage phosphor imaging system comprising: a source for producing stimulating radiation directed to a storage phosphor storing a latent image; a resonant microcavity converter for converting emitted radiation from the storage phosphor to radiation at a longer wavelength than the emitted radiation but with an angular intensity distribution that is substantially narrower than a Lambertian distribution; and a detector for detecting the longer wavelength radiation.

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